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Name _____ Date _____

Earth's Interior

Compare the structure of Earth's layers by completing the table.

Layer	State of Matter	Thickness (km)	Temperature (K)
Inner core	1.	2.	3.
Outer core	4.	5.	6.
Mantle	7.	8.	9.
Crust	10.	11.	12.

For each statement identify the layer of the Earth. In each blank write the appropriate letter using *C* for crust, *M* for mantle, *O* for outer core and *I* for inner core.

13. _____ Thinnest of Earth's layers
14. _____ Made mostly of solid iron and nickel
15. _____ The only layer in the liquid state
16. _____ Layer with the highest temperature
17. _____ Made mostly of compounds rich in iron, silicon, and magnesium
18. _____ Thickest layer of Earth
19. _____ The outermost layer
20. _____ The innermost layer
21. _____ Life on Earth is found in or on this layer.
22. _____ Layer on which the continents are found.

Earth's Spheres

Scientists divide Earth into four parts, or spheres. Match the name of *the sphere* with its description.

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|----------------------|---|
| 1. _____ Lithosphere | a. all living things |
| 2. _____ Atmosphere | b. Earth's solid rocky part |
| 3. _____ Hydrosphere | c. Earth's water |
| 4. _____ Biosphere | d. The outermost sphere, the mixture of gases surrounding Earth |

Identify each part of Earth. Write *L* in the blank if it is part of the lithosphere, *A* if it is part of the atmosphere, *H* if it is part of the hydrosphere, and *B* if it is part of the biosphere.

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|------------------|---------------------|
| 5. _____ a lake | 6. _____ a mountain |
| 7. _____ a cloud | 8. _____ the ocean |
| 9. _____ a whale | |

The table below lists elements found in the Earth's crust. Use the table to answer the following questions.

Element	Percentage
Oxygen	46.6%
Silica	27.7%
Aluminum	8.1%
Iron	5.0%
Calcium	3.6%
Sodium	2.8%
Potassium	2.6%
Magnesium	2.1%
Other	1.5%

10. Which element is present in the greatest amount? _____
11. Which two elements make up almost 75% of Earth's crust? _____
12. Silicon and oxygen are nonmetals. The rest of the elements listed are metals.
- Which element is the most abundant metal? _____